## EFFICIENT REPRESENTATION OF SYSTEM NETWORK MANAGEMENT OBJECT IDENTIFIERS

## **ABSTRACT OF THE DISCLOSURE**

Systems and methods for efficient storage of network management object identifiers are provided. Object identifiers such as SNMP MIB object identifiers are stored in a compressed form. In one embodiment, a single integer represents multiple elements of an object identifier where these elements are common to many identifiers. The redundancy inherent in a standard object identifier format is thereby greatly reduced. Large memory savings are provided in network management systems that employ many network management objects.

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19